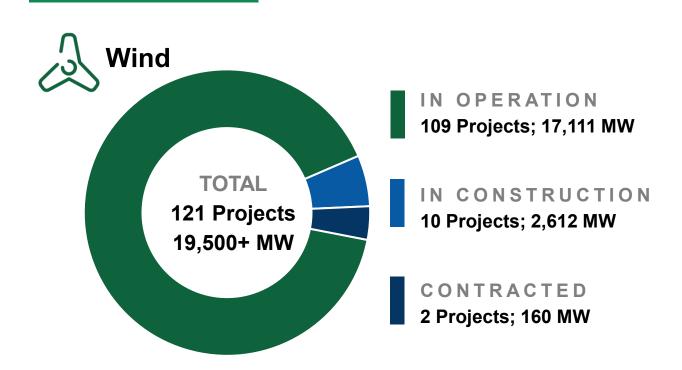
Philip Wind Project

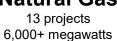
SD PUC Public Input Hearing Presentation



America's Leading Privately Held Clean Energy Company









Solar 55 projects 7,500+ megawatts



Transmission4 projects
4,100+ miles of transmission
& collection lines developed



Storage
23 projects
3,000+ megawatt hours
900+ megawatts



The Philip Wind Energy Center is a proposed 333-megawatt (MW) wind power generation facility located approximately 15 miles north of Philip in Haakon County, South Dakota. The total project area encompasses 68,300 acres, with 51,189 privately-owned acres voluntarily leased for the project.



Enough electricity to power more than 120,000

American homes



More than **\$112 million** invested in land and lease payments, tax payments, and wages and benefits over the life of the project



Up to **200 jobs** supported during construction



Up to 12 full-time staff once operational



300-megawatt (MW) interconnection on WAPA Oahe to New Underwood 230kV line



Supports local education, emergency & veteran services and environmental stewardship



56 to **87** state-of-the art wind turbines manufactured by GE, Nordex or Vestas



Only 115 acres permanently impacted during operations (0.2% of Project area)

Philip Wind Project Timeline

2017-2019

- Southern Power acquired Project
- Began environmental and engineering studies and agency coordination to refine site layout
- Invenergy acquired Project in 2019

2022

- Continued environmental and engineering surveys and Agency consultation supporting NEPA review
- New Lease agreements
- NEPA Public Scoping Notices sent out

2024

- Draft EA issued for public comment
- Continued Agency coordination on NEPA
- Executed Road Use Agreement with Haakon County, SD.

2026

- Obtain all required permits.
- Begin construction.



- Continued environmental surveys to support NEPA review
- Advanced SPP interconnection studies



2023

- WAPA held Public Scoping meeting for NEPA review
- Additional environmental and engineering surveys to support the NEPA review process.

2025

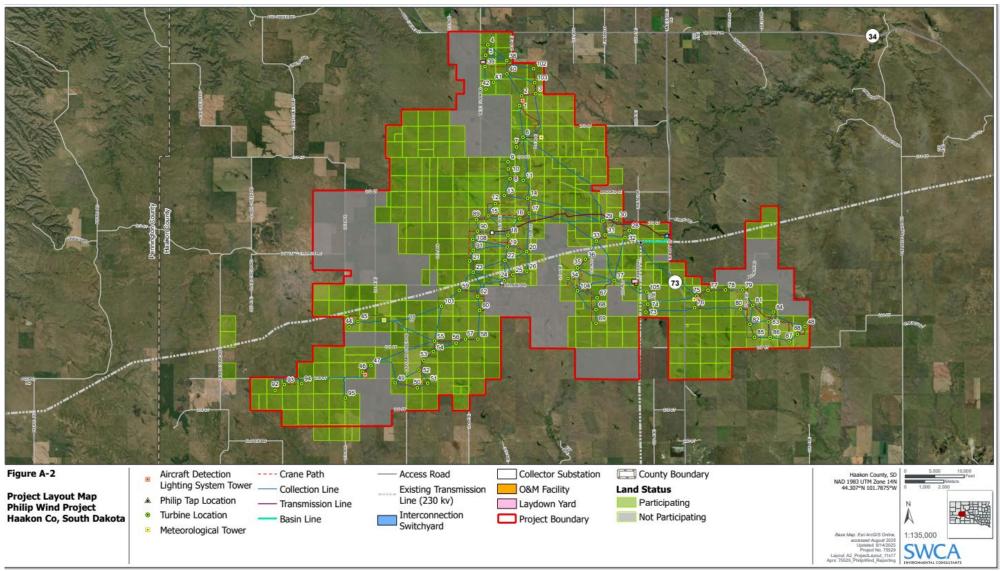
- Completed NEPA federal review process and FONSI issued.
- Completed engineering and development studies.
- Submitted PUC permit application.



2027

- Complete construction
- Commission project.

Philip Wind Project – Site Map



Project Design

Turbine Models and Specifications – 91 proposed locations								
Turbine Model	Nameplate Capacity (MW)	Number of	Hub Height		Rotor Diameter		Tip Height	
) Turbines	Feet	Meters	Feet	Meters	Feet	Meters
General Electric 154-3.8	3.8	87	322	98	506	154	575	175
Vestas 163-4.5	4.5	74	322	98	535	163	590	180
Nordex 163-5.9	5.9	56	355	108	535	163	624	190
Other Project Infrastructure								
Associated Infrastructure		Access roads, underground collector circuits, underground fiber optic cables.						
Other Facilities		Operations and maintenance facility, collector substation, meteorological towers, Aircraft Detection Lighting System towers, construction laydown yard						
Transmission Gen Tie		Approximately 7-mile-long 230 kilovolt transmission line connecting the collector substation to the to-be-built Philip North Switchyard.						

Project Due Diligence

	Studies, Surveys, Reports, & Analysis				
	Site Characterization Study	Microwave Study			
Environmental	Whooping Crane Habitat Assessment	AM and FM Radio Report			
	Eagle Use Survey	Communication Tower Study			
	Eagle Nest Survey	Radar and Navigational Aid Screening Study			
	Eagle Utilization and Distribution Monitoring	Obstruction Evaluation and Airspace Analysis			
	Raptor Nest Survey	Noise Analysis			
	Avian Use Survey	Shadow Flicker Analysis			
	Prairie Grouse Lek Survey	Hydrology Study			
	Bat Acoustic Survey	Geotechnical Study			
	Nothern Long-eared Bat Habitat Assessment	Transportation Study			
	Wetland Delineations	Topography			
	Grassland Assessment	ALTA Survey			
Invenergy	Prairie Dog Colony Status and Mapping	Phase 1 Environmental Site Assessment			
	Bird and Bat Conservation Strategy	Wind Turbine Suitability Study			

Constructability

Other

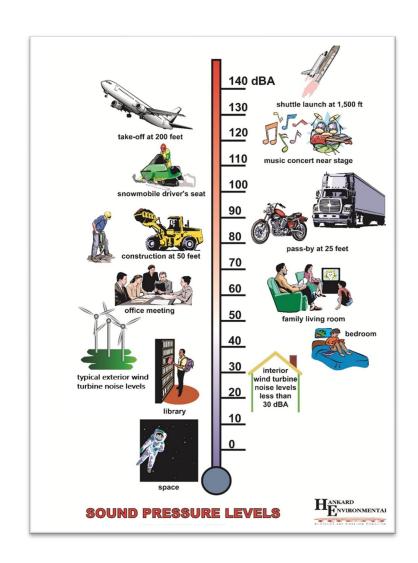
Noise and Shadow Flicker Analysis

Shadow Flicker Analysis

- Occurs under specific circumstances in predictable locations
- Project will not exceed 30 hours of shadow flicker per year at any non-participating residence

Noise Analysis

- Conducted acoustic modeling to evaluate turbine sound levels at nearby residences
- Project will not exceed:
 - 45 Leq dBA at the perimeter of existing non-participating residences
 - 50 Leq dBA at the perimeter of existing participating residences



Road Use Agreement and Decommissioning Plan

Haakon County Road Use Agreement (Executed December 2024)

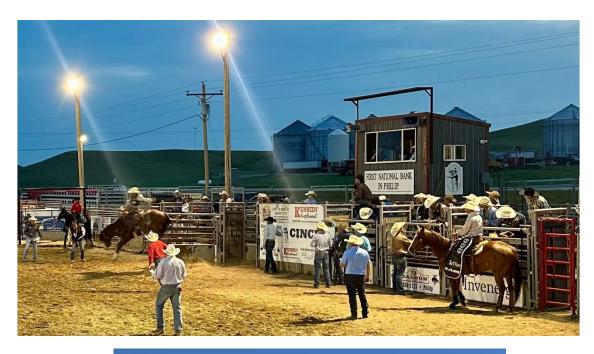
- Coordinate with the Haakon County Highway Department
- Maintain and repair roads during construction
- Pre and post construction survey roads left in as good or better condition
- Financial Bond

Decommissioning Plan

- Addresses removal of turbines and decommissioning of the Project at the end of its operational life including:
 - Removal of all above ground structures & below ground infrastructure to a depth of 48 inches
 - Revegetation and topsoil restoration
 - Estimated costs for decommissioning and site restoration

Community Benefits

- Approximately 200 jobs during construction
- Up to 12 full-time local jobs during operations
- Continued local investment, sponsorships, and support of the community
- Project is expected to generate approximately \$1.4M annually in Production and Nameplate Capacity Taxes that will be paid to schools, the County, and State
- Stable, long-term payments to participating landowners
- Indirect benefits including sales tax generation and increased use of local services





All dollar amounts are approximate as of October 2, 2025.

Agricultural Compatibility

Agriculture and wind are complementary.

- Farming may continue up to the base of the turbines
- No impact to livestock
- Turbine access roads can improve farmland accessibility
- Long-term stable income for landowners provides ability to keep land in the family and keep rates consistent for tenant farmers
- Reimbursement is provided for crop damage



Conclusion



This is an exciting time for Haakon County!



South Dakota is a great host for the Philip Wind Project and the Project will provide significant benefits to the community.





Thank you to our landowners and project participants that came out this evening to support!



We have spent the last few years leasing, studying, and engineering a project that complies with all Federal and State requirements.



We ask the South Dakota Public
Utilities Commission to approve
Philip Wind's application for Energy
Facility Permits.



Invenergy Development Team



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